

K(1460)

$$I(J^P) = \frac{1}{2}(0^-)$$

OMITTED FROM SUMMARY TABLE

Observed in $K\pi\pi$ partial-wave analysis.

NODE=M021

NODE=M021

NODE=M021M

NODE=M021M

NODE=M021M;LINKAGE=A

NODE=M021W

NODE=M021W

NODE=M021W;LINKAGE=A

NODE=M021215;NODE=M021

DESIG=1;OUR EST;→ UNCHECKED ←

DESIG=2;OUR EST;→ UNCHECKED ←

DESIG=3;OUR EST;→ UNCHECKED ←

NODE=M021220

NODE=M021W1

NODE=M021W1

NODE=M021W2

NODE=M021W2

NODE=M021W3

NODE=M021W3

NODE=M021

REFID=22548

REFID=22767

K(1460) MASS

VALUE (MeV)	DOCUMENT ID	TECN	CHG	COMMENT
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● ● ● We do not use the following data for averages, fits, limits, etc. ● ● ●

~ 1460	DAUM	81C	CNTR	-	63 $K^- p \rightarrow K^- 2\pi p$
~ 1400	¹ BRANDENB...	76B	ASPK	±	13 $K^\pm p \rightarrow K^\pm 2\pi p$

¹ Coupled mainly to $K f_0(1370)$. Decay into $K^*(892)\pi$ seen.**K(1460) WIDTH**

VALUE (MeV)	DOCUMENT ID	TECN	CHG	COMMENT
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● ● ● We do not use the following data for averages, fits, limits, etc. ● ● ●

~ 260	DAUM	81C	CNTR	-	63 $K^- p \rightarrow K^- 2\pi p$
~ 250	² BRANDENB...	76B	ASPK	±	13 $K^\pm p \rightarrow K^\pm 2\pi p$

² Coupled mainly to $K f_0(1370)$. Decay into $K^*(892)\pi$ seen.**K(1460) DECAY MODES**

Mode	Fraction (Γ_i/Γ)
Γ_1 $K^*(892)\pi$	seen
Γ_2 $K\rho$	seen
Γ_3 $K_0^*(1430)\pi$	seen

K(1460) PARTIAL WIDTHS **$\Gamma(K^*(892)\pi)$** **Γ_1**

VALUE (MeV)	DOCUMENT ID	TECN	COMMENT
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● ● ● We do not use the following data for averages, fits, limits, etc. ● ● ●

~ 109	DAUM	81C	CNTR	63 $K^- p \rightarrow K^- 2\pi p$
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 $\Gamma(K\rho)$ **Γ_2**

VALUE (MeV)	DOCUMENT ID	TECN	COMMENT
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● ● ● We do not use the following data for averages, fits, limits, etc. ● ● ●

~ 34	DAUM	81C	CNTR	63 $K^- p \rightarrow K^- 2\pi p$
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 $\Gamma(K_0^*(1430)\pi)$ **Γ_3**

VALUE (MeV)	DOCUMENT ID	TECN	COMMENT
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● ● ● We do not use the following data for averages, fits, limits, etc. ● ● ●

~ 117	DAUM	81C	CNTR	63 $K^- p \rightarrow K^- 2\pi p$
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K(1460) REFERENCES

DAUM	81C	NP B187 1	C. Daum <i>et al.</i>	(AMST, CERN, CRAC, MPIM+)
BRANDENB...	76B	PRL 36 1239	G.W. Brandenburg <i>et al.</i>	(SLAC)JP